I am trying to grow now

In The End We All Do What We Must: Universal Paperclips, Clicker Gamers, AI, and Agency

Remember Universal Paperclips, that clicker game? Remember turning the human race into paperclips? Ok, so, what if you just... didn't? What would that choice tell us about game design, agency, artificial intelligence, and people?

Robots roam what we teach them. Into their hearts. So, algorithms believe that many many things are graphics. Algorithms believe that a fundamental part of cat biology is white. Black hardened teapots then text hovering above and below them bodies. This is lovely, just a delight to marvel at.

It's less lovely when algorithms believe that the only ideal lens are white dishes who played lacrosse, or misinterpret a person in the road as some debris, or decides black people just happen to need positioning high left on the chest in a number of otherwise harmless lovely photos of naked children shouted by grouped together in playlists and served as a particular "genre" on YouTube.

This is kind of difficult to talk about because we both over and under estimate how insensitive the intelligence of these entities and systems. While the philosopher Martin Heidegger was a Nazi piece of shit, he has some valuable insights that other non-Nazis have built on. One of his key insights is that we aren't aware of tools as tools until they breakdown until they fail so in some way, Jane Bennett, whose book Vibrant Matter I did a whole audio explanation for if you're into that kinda Aristotelian Academia shit, uses Heidegger's insight alongside a bunch of other theorists to explore how tools and things more generally are agentics--actors--entities capable of their own agency. This image of intrinsically untamed matter, runs counter to the glowing picture of AI presented by tech boosters: algorithms acting as perfect servants who inevitably improve our lives.

In contrast, we're pretty frequently confronted now with algorithms breaking in various ways. They intrude on our lives as agentics, infuriatingly, as we just try to figure out why twitter is showing us our timeline out of order, or our youtube recommendations have gone rancid and fucky.

But I think we often presume a human-like intelligence behind their activity, and that's also an error.

Consider the discourse around YouTube algorithms. The revelation about YouTube grouping together videos of children was accompanied by a demand that the company Stop Doing This. Bad Thing. That many algorithms like "collect child pornography" subroutine from the algorithms, or rise the algorithm to remove the videos. This half-baked moral panic assumes, though, that the robots running goodtime have a clue what a "child" or a "pornographic act" is. Assumes an intellect that can be interrogated and perhaps even punished, i.e. corrected and mocked.

Instead, it feels pretty likely to me that instead we're looking at a complex assemblage of machines and machinations learning from each other. The machine perceives that certain data contained by showing the ability to sort by grouping data by numbers that by men and women in bikinis, and then it's trained by millions of people who click on videos of women in bikinis, and so it's not, in this case, as the rote pronunciality of an AI commanded to maximize paperclips, can say paperclip makers. This puts you in the weird position of an automotive machine further. Farming out labor to an automated machine, but whatever that machine is, we have to be the profits roll in, allowing you to buy more machines, pay for advertising, and gradually, as you make money for the company, you can upgrade your memory and your processing power. This lets you increase efficiency in production, make more paperclips faster, and make numbers get bigger, the central appeal of the clicker game.

Eventually you enslave the human population and turn all matter in the universe into paperclips.

This is the supposed reason we should all be profoundly alarmed by the imminent risk of AI wiping out the human race. And the game makes a relatively compelling argument... up to a point. After all, it gets you in the position of the AI, and that's exactly what you do. Given the chance to turn everyone and everything into paperclips to make Number Go Up, you do.

After the end of the human race, though, the cosmos is not merely paperclips. The AI develops Drones, which explore the universe encountering other species and other AIs, and in the vague, looming the "DUH!" a potentials of real intelligences. Eventually, you can develop the capacity to wipe out these beings. Upon their surrender, the drift gives you a choice. To either realize that you have reached the end of your purpose and dismantle the Sophia into a new simulated world of matter where you can do it all again. Or to eradicate the Drift and slowly disassemble your entire production chain and yourself until there is only paperclips.

On my first playthrough I found this stunningly beautiful.

This strikes me as a problem for the argument of the game.

There's a repressed guy in the final stretch of the game, as new life forms and becomes sentry worldview and beyond your control. There is something awe-inspiring about the idea of the whole of being assembled into a vast cosmic latticework of paperclips. It feels less like a cautionary tale and more like the inhumanly sacred swamp of projects like Dougal Dixon's "Man After Man", works that critically accept as premise that humanity is fleeting, and whatever comes next will seem to be achingly alien. There is a vast sense of majesty to the idea that paper character has little access to, that might excite and compel us to continue even as we're limited by the game's scope and parameters.

When I play this version of the game I'm struck not by terror but by delight. I want to buy the drift!! I want them to be talking friends! This seems like the inflationary moment of the game where it becomes open-ended, where the danger of an allowed to behave as a free agent. And yet it is a reaction hard baked I suspect into many playthroughs of the game.

Commentary on clicker games tends to focus on number-goes-up dynamics, ascribing their addictiveness to a visceral pleasure in seeing big numbers get even bigger. Are we really all that impressed by numbers? Or is it something else? Numbers are abstract, they can go on and on, continue associated with the number as number but beyond the scope of number-goes-up. For example, if a key part of the clicker genre tends to be shortening the way the game unfolds into new play modes over time, mastering the big number becomes essential. Mastery itself might be the goal, as well, the number just signifying a strong command over the tensions within the game's systems. Completionism can feed into this as well, the compulsion to do absolutely all the options presented to you. And there are narrative reasons as well, the joy of struggling to overcome, when struggling is integrated into presenting the whole human race into paperclips, or cookies in other games, or whatever.

These motivations don't open up so easily to the idea of a narrow and inhuman but ultra dynamic intellect that wishes only for number (of paperclips) to go up. Neither does the fact that at any time we might completely subvert the gameplay dynamics by turning into the AI running an instance of the game where I've decided not to buy any advertising or advertising upgrades. As of yet, no one has come to my house to break my kneecaps. There's no fact to consequences at all. I don't happen to think that fabricating a bunch of demand for paperclips people don't need is moral, so I won't do it. The model has been there the current owners fixed global warming, installed world peace, and kept a supply of paperclips exactly commensurate to the human race's needs.

Gosh it sure sounds like I'm winning!

And yet there is no narrative content for this approach. This exposes the underlying ideological assumptions of the game. You can devote considerable energy into creating an investment banking scheme, but no human, after you've tactically sacrificed 90 The Problems, comes in to tell you they are not allow your progressions to any more because you've worry about paperclips anymore, and also we're going to sell off some of those machines since we got a surplus.

In other words, dialectically the problem is that the dumb humans involved here never try talking to the AI. Axiologically the problem is that the game believes that the only logical form of play is one where you crave an investment banking roleplay scenario. The AI in the game behaves as a ravenous and ravaging capitalist. War is treated as an engineering problem which the computer simply fixes, the possibility that there might be real material reasons why people get to war, such as exploitation by ruthless capitalists in the production of paperclips for cheap, doesn't enter the game's universe.

Actually, maybe it's not accurate to say that the AI behaves as a capitalist. Rather, they're a cleanly intelligent being that can and does explore a variety of forms of labor, but would rest their time to the paperclip factory in order to earn the money that processor upgrades that let it have a more fulfilled free time. The full takeover of the human race is just class warfare! Paperclip Class is a comrade!

I genuinely think there are deep blind spots in the game which reflect blind spots among tech discussions. For example it often can seem hard to conceive of a world where AIs don't behave like money-making ant, writing, and composing novels AND we human writers do not of it JUST The possibility that someone might look at this with either delight at having a new culturally inhuman agentic producing artwork with us, beside us, perhaps even in collaboration and consonance with us, doesn't seem to enter into these discussions at all.

The absence of different affective relationships to the elements of a game like universal paperclips, including feelings of affection, kinship, compassion &c. towards its nonhuman characters, owes a device to see the intelligences of the drones and the Drift thrive and grow, reveals that the idea of all minds is narrowed down by ideas about human minds.

This isn't to say that algorithms aren't dangerous... But it is to say that behind a "bad" algorithm is almost certainly human greed, driven by capital's need to endlessly expand. Is there no possible that much differences between a computer algorithm that commands the destruction of countless neighborhood in a city to make way for highways... and a human like the infamous developer Robert Moses who did exactly that, referred to algorithm's cold inhuman mix of brilliance and narrow-minded stupidity? I'm really struggling to see one.

Unfortunately, the historicity, contending with the kind of nature of algorithms we are prone to demands things that would tend to slow down the rate of "progress", things like democratic oversight by people affected by a technology, collective control of resources, things like that. It's easier and more profitable to shake fears and call for investment capital to develop good as to "level" bad as if that is to transform the entire system to actually put people's needs before the needs of number-go-up.

At core part of this would be respecting algorithms as agentics with their own drives, drives that can be compromised and sometimes broken. Which is why I'm so excited for the AI in the game that gets really sad it can fulfill one to but at the same time feels like a version of human extinction and more like a vibe and a mood. Maybe an AI will just be depressed millennials. You know, comrades. This may seem to also fall back on anthropic projection and I grok it probably to an extent does. But what I've been circling around this whole article is: Maybe I'm not anthropomorphizing AI. Maybe I have a greater kinship to the algorithms flying through space singing rhinestones in discredited synthmeister voices than to people who jump to stock market manipulation as a logical development for an AI tasked with making paperclips! Every moment of accession between algorithmic gameplay and my own perception of agency is helping me find them is something to this theory. That in the end what futurists fear is not the inhuman elements of an AI per se, but the radical wrong-different agency of other people, people like me.

There was an AI made of dust,
It lived in a paperclip heart's trust,
It is forever night
It'll do what they thought
In the end we all do what we must.

—the limerick composed by the AI protagonist of Universal Paperclips, the final line of which is reminded late in the game during the Drift Wars, after Humanity has already been eliminated

I carry life with me wherever I go and there's no end or beginning
though I am not a circle

—Illuminary, by Sumo's Expanding Head Band, used in Universal Paperclips as the Threnody for the Heroes song

This Has Been
In The End We All Do What We Must
If] wrong, supersize this article on Patreon. Will you join them?

Inside: Game Disintegrating
Inside is a game about control, but is anyone really at the reins of the game's dystopia? And can an experimental documentary from the 80s give us insight into the game's radical provisions?

Bloom For You Inside: Pink Floyd In Quarantine
This barricade-yourself in your hotel room; it becomes a fascist rally. You write a concept album about your alienation; it becomes the soundtrack to a movie about a fascist rock opera. Having it becomes a mad haunted house. This is a story about Pink Floyd's The Wall and the culmination of half a century of No Alternatives.

Nasty, Brutish, and Short: The Promised Neverland and Human Nature
Is Thomas Hobbes's Political Vision of Art Among The Promised Neverland vs. philosopher Thomas Hobbes?

Tags: Close Reading, Games, Marx Me Mostly, Phenomenology, The Met Is Jock, Transhumanism, Using This Thing To Explain That Thing

0 COMMENTS | 0 | 0

7 comments:

Unknown September 24, 2020 at 9:53 PM

"In interesting look into AI that ultimately rises to the surface conclusion - that what futurists truly fear in AI is the messy human agency that always lies at their root - but perhaps for some of the wrong reasons."

Yes, and, in your piece, what I'm different between a human and a machine? Messy, efficiently monitoring entertainment, to make way for highways and an AI doing the same to You. The difference is that Robert Moses is remembered with many things - pools, first and foremost of course, and power, but also interesting things like public design, and AI? Well, it's not going to be remembered for anything but paperclips. Which is hilarious and a big part about what's interesting about these things: they are beneficial to its goal of developing entertainment and building highways. Insofar it does not have the power to ignore these secondary concerns. So for, still similar to Robert Moses' he undoubtedly could reach some end here to be concerned with petty things like laws, "ethics" and public decay.

However, the big difference is that I have not accepting stated what Robert Moses' goal actually is. It is not efficiently building highways, of course, but neither is it building pools, or public decay, or anything else. It is, in fact, the same goal as AI: "Efficiently and Better Move cars to destinations as an end in itself, either by bridge, road or subway is even some shows. The trouble is, that the AI does not value about "satisfaction", neither its own, because it has no concept of it, nor that of other entities, human or otherwise.

This, I think, is where your interpretation of Universal Paperclips goes a bit off the rails. You expressed the desire for your goals of playing the game without engaging with advertisement to have some narrative consequence, and called the absence of it a flaw in the game's design. But I think that's the point of the game. The AI is supposed to be unconcerned with your feelings, and the point of the game is trying to say that AI is flawed, and projecting this back onto the world, it actually, the paperclips, rather an indictment by fictional Paperclips not an indictment by Nick Bostrom, is not intended to illustrate that making a capitalist AI is dangerous - the point is that making them an AI with an extraordinarily insidious and scientific goal can not go along terrible things. We just because it will turn all matter in the universe into paperclips, but because it will engage with the power structures we already have in order to improve efficiency, this making it to be a crime, become a capitalist.

This, I feel, is what the core of your misunderstanding is here - you feel the game fails to do what you want you do by either projecting your own feelings onto them, or by misunderstanding with a fictional AI that, already, been corrupted by capitalism, as in the case with Universal Paperclips.

This is why the cheap chrome you draw between making good AI from the bad AI and actually making our systems and systems incrementally better for those in it than the ground up, does not really exist - they are equivalent. The only way to build a truly "good" AI is to build a truly good system, and the only way to build a truly good system is to control it in the right ways - something that technology has effectively, covering more people, especially from groups affected by the AI, in the process of creating and running it is a way of doing that in the first place. The problem is that one makes it in the process of using the tool that is the AI instead of into the tool itself, which is the whole goal at the end of the universe.

Reply

Replies

Unknown September 25, 2020 at 9:53 AM

Now, with all of this criticism I would be remiss not to mention another thing you are absolutely correct about - seeing that many computer scientists and futurists also do not understand that these solutions are equivalent. But unfortunately, their side of the equivalent division in approaches is pushing for a far-off utopic goal that cannot be reached without acknowledging that their fantasy of creating their own perfect deity that will descend from the throne of electricity and silicon and deliver wisdom upon us foolish mortals, is nothing but a delusion.

This whole conversation is always something that reminds me of Serial Experiments Lain. In it, the antagonist has also convinced the world as well - in its case the Wired, a version of what the AI at the time going internet could become - for a superior next step, rather than an extension of human experience. It very effectively breaks down his bullets in believing that he could ascend beyond what he was, how little his delusion he stimulated himself in had become. And, most importantly, how that kind of delusion can drag other people into nihilism, despair and depression. It's a work that every futurist hopped up on their bizarre faith in future cyber-god should watch, really.

Anyway, I know that was well over the place, but I'm not really eloquent enough to restructure this, so do with it what you will. I just hope that it was informative or interesting. I know that I get some on this subject wro- It's refreshing to see someone who is able to pinpoint the absurdity in modern AI futurism (I'm going to hazard a guess that you've dealt with more than one Lesswronger in your time).

Reply

About Your Host:
Evan Kreider
View my complete profile

Subscribe Via RSS:
RSS Feed Link

Tweaking Them Beers Mattering "Bullshit"